

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E81142

Participation : CTR

Employer : Astronics Advanced Electronic Systems

Status : Affected

Worksite :

Survey Type : Online

Street : 12950 Willows Road Ne

Response Rate : 74%

Jurisdiction : City of Kirkland

Survey Date : 4/28/2017

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 18.7%

Drive Alone Rate : 81.3%

One-Way VMT per employee : 14.4

Average One-Way distance home to work : 17.4

Employees and Survey Response Information

Reported Total Employees at Worksite: 545

Surveys Distributed : 545

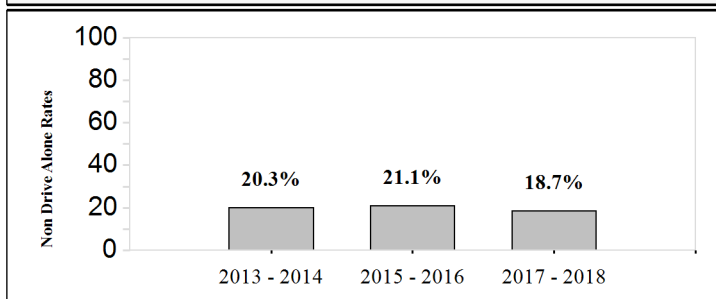
Surveys Returned : 404

Surveys Returned by CTR Affected* Employees : 341

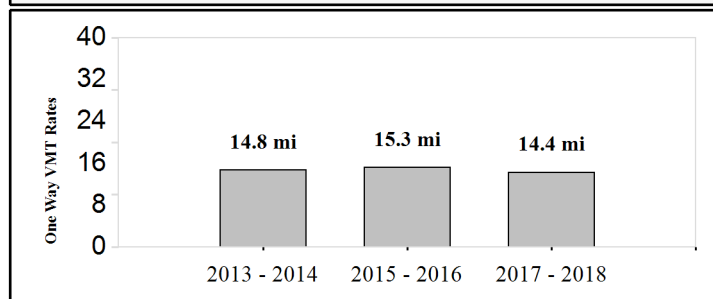
Total Estimated CTR Affected Employees at Worksite : 460

**CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.*

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO2e Pounds CO2e

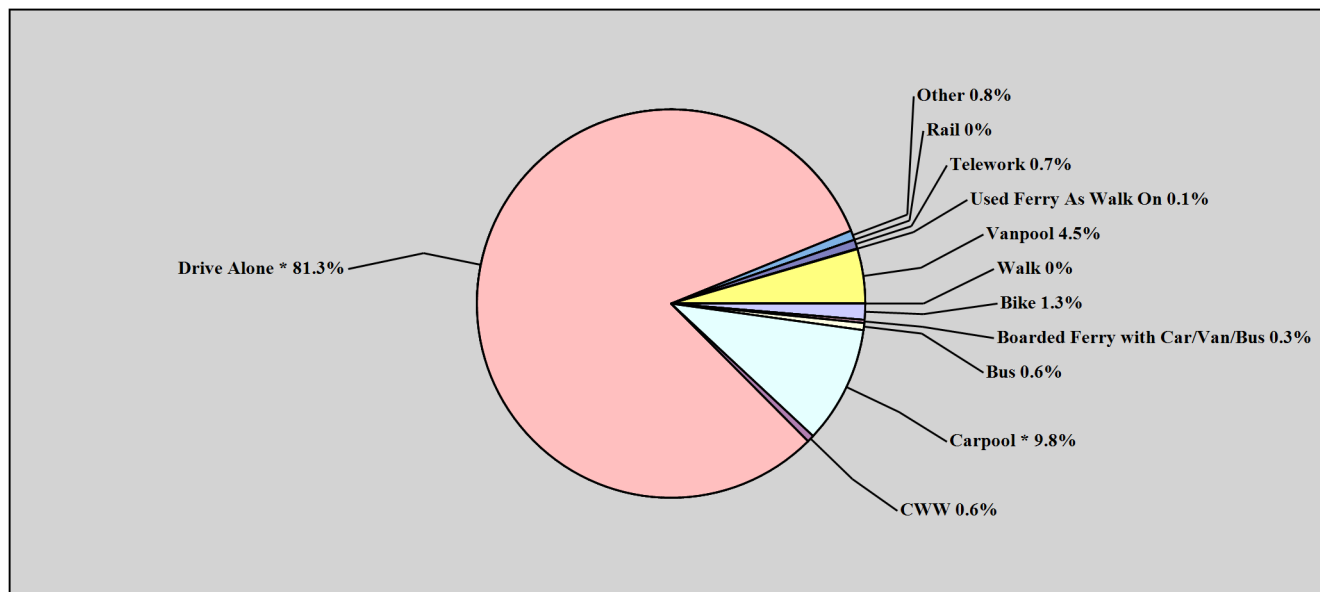
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009 - 2010	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011 - 2012	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013 - 2014	20.3%	21.0%	834	1133	18.3	14.8	14.3
2015 - 2016	21.1%	21.9%	962	1143	18.5	15.3	14.5
2017 - 2018	18.7%	18.5%	1199	1617	26.2	14.4	14.3
Target	26.3%				Target:	12.1	
% Point Change Target:	6.0				% Change Target:	-18.0%	
% Point Change from Baseline:	-1.6				% Change from Baseline:	-2.7%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



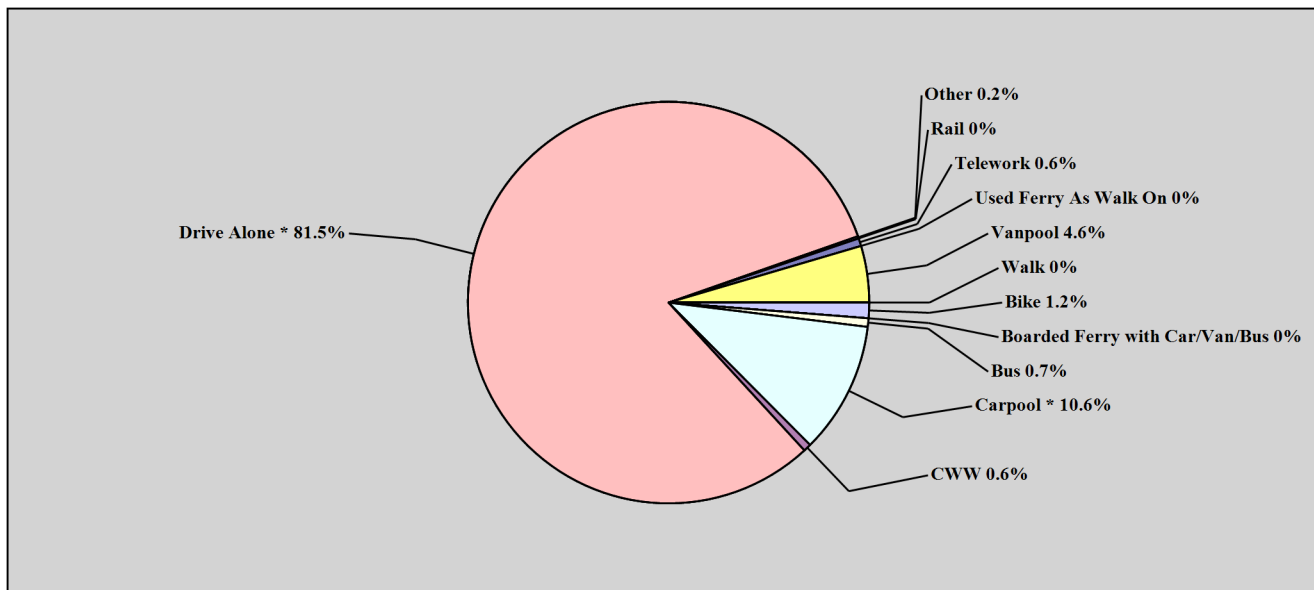
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	1,525	81.3%	78.7%	342	84.7%	86.8%
Carpool *	183	9.8%	12.3%	52	12.9%	17.0%
Vanpool	85	4.5%	3.6%	21	5.2%	4.4%
Bus	11	0.6%	0.5%	3	0.7%	0.6%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	25	1.3%	1.0%	14	3.5%	2.5%
Walk	0	0.0%	0.1%	0	0.0%	0.3%
Telework	14	0.7%	1.8%	10	2.5%	5.0%
CWW	11	0.6%	0.9%	9	2.2%	2.5%
Boarded Ferry with Car/Van/Bus	5	0.3%	0.3%	2	0.5%	0.6%
Used Ferry As Walk On	1	0.1%	0.0%	1	0.2%	0.0%
Other	15	0.8%	0.7%	5	1.2%	0.6%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	1,306	81.5%	77.9%	290	85.0%	86.5%
Carpool *	170	10.6%	13.0%	49	14.4%	18.2%
Vanpool	73	4.6%	4.1%	18	5.3%	5.1%
Bus	11	0.7%	0.6%	3	0.9%	0.7%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	20	1.2%	1.1%	12	3.5%	2.9%
Walk	0	0.0%	0.1%	0	0.0%	0.4%
Telework	10	0.6%	1.8%	8	2.3%	4.7%
CWW	10	0.6%	0.5%	8	2.3%	1.5%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	3	0.2%	0.8%	2	0.6%	0.7%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	296	73%	404	100%
1 Days	24	6%	108	27%
2 Days	16	4%	84	21%
3 Days	5	1%	68	17%
4 Days	38	9%	63	16%
5 Days	24	6%	25	6%
6 or More Days	1	0%	1	0%

Count by Occupancy of Carpools and Vanpools

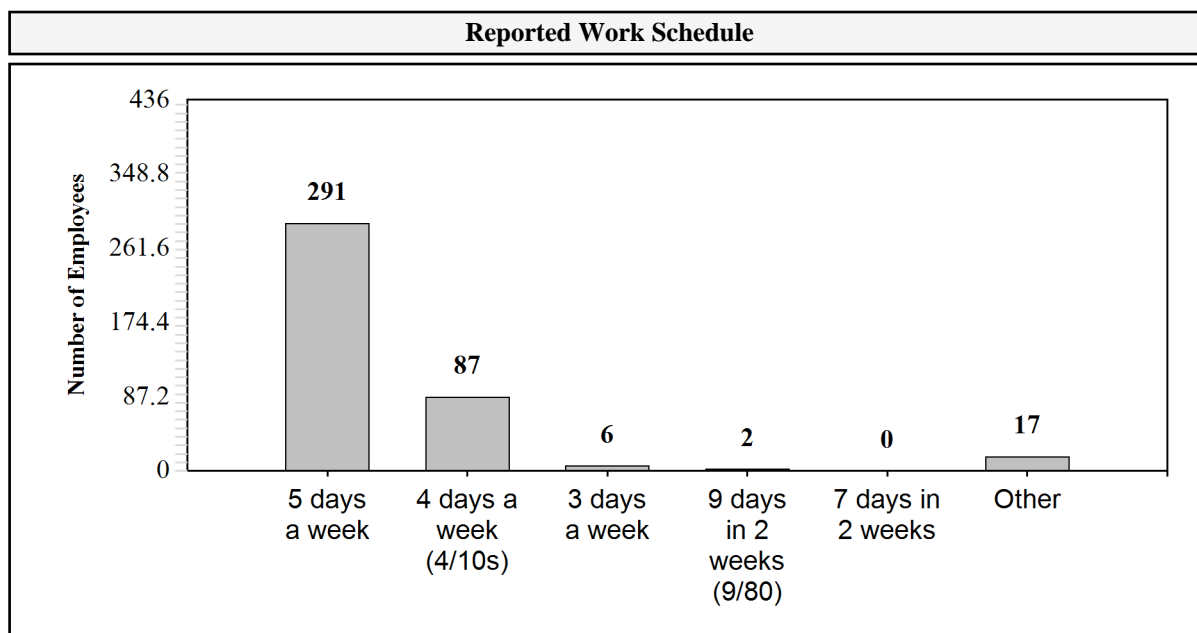
Q.4 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	149
3	Carpool	33
4	Carpool	0
5	Carpool	0
>5	Carpool	1
<5	Vanpool	5
5	Vanpool	12
6	Vanpool	0
7	Vanpool	7
8	Vanpool	0
9	Vanpool	0
10	Vanpool	29
11	Vanpool	0
12	Vanpool	32
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

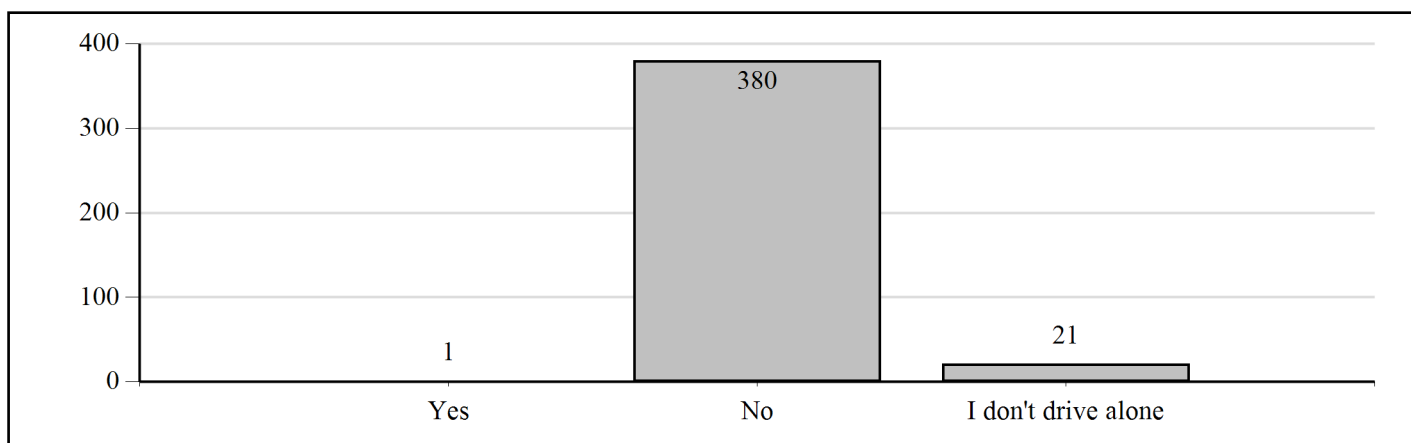
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	291	72.2%
4 days a week (4/10s)	87	21.6%
3 days a week	6	1.5%
9 days in 2 weeks (9/80)	2	0.5%
7 days in 2 weeks	0	0%
Other	17	4.2%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	0	0.0%
I don't telework	274	67.8%
Occasionally, on an as-needed basis	98	24.3%
1-2 days/month	17	4.2%
1 day/week	14	3.5%
2 days/week	1	0.2%
3 days/week	0	0.0%

Reasons for driving alone to work/not driving alone to work
Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	148	17.8%
Financial incentives for carpooling, bicycling or walking.	143	17.2%
Personal health or well-being	92	11.1%
To save time using the HOV lane	91	10.9%
Environmental and community benefits	90	10.8%
Other	69	8.3%
I have the option of teleworking	66	7.9%
Driving myself is not an option	37	4.4%
Emergency ride home is provided	34	4.1%
Free or subsidized bus, train, vanpool pass or fare benefit	30	3.6%
Preferred/reserved carpool/vanpool parking is provided	14	1.7%
Cost of parking or lack of parking	12	1.4%
I receive a financial incentive for giving up my parking space	6	0.7%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	281	28.2%
Riding the bus or train is inconvenient or takes too long	257	25.8%
Family care or similar obligations	122	12.2%
Other	101	10.1%
My commute distance is too short	87	8.7%
Bicycling or walking isn't safe	73	7.3%
My job requires me to use my car for work	56	5.6%
I need more information on alternative modes	18	1.8%
There isn't any secure or covered bicycle parking	1	0.1%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98034	30	7.43%	120	13	0	0	0	0	3	0	0	0	0	0	0
98012	23	5.69%	92	13	0	0	0	0	0	0	0	1	0	0	0
98052	19	4.70%	76	8	0	0	2	0	5	0	0	0	0	0	1
98155	13	3.22%	57	2	0	0	0	0	3	0	0	0	0	0	0
98072	12	2.97%	53	0	0	0	0	0	1	0	1	0	0	0	0
98033	11	2.72%	31	20	0	0	0	0	3	0	1	0	0	0	0
98053	11	2.72%	47	1	0	0	0	0	1	0	0	1	0	0	0
98056	11	2.72%	34	4	4	0	0	0	0	0	0	0	0	0	4
98028	10	2.48%	40	0	0	0	0	0	1	0	0	0	0	0	0
98036	10	2.48%	33	15	0	0	0	0	1	0	0	0	0	0	0
98087	10	2.48%	39	9	0	0	0	0	0	0	0	1	0	0	0
98007	9	2.23%	43	0	0	0	0	0	0	0	0	0	0	0	0
98021	9	2.23%	38	0	0	0	0	0	4	0	0	0	0	0	0
98272	9	2.23%	38	4	0	0	0	0	0	0	0	0	0	0	0
98290	8	1.98%	23	0	9	0	0	0	0	0	0	0	0	0	0
98058	7	1.73%	23	2	8	0	0	0	0	0	0	0	0	0	0
98077	7	1.73%	34	1	0	0	0	0	0	0	0	0	0	0	0
98103	7	1.73%	25	4	0	0	0	0	0	0	2	0	0	0	0
98201	7	1.73%	35	0	0	0	0	0	0	0	0	0	0	0	0
98204	7	1.73%	28	0	4	0	0	0	0	0	0	0	0	0	0
98258	7	1.73%	20	0	12	0	0	0	0	0	0	3	0	0	0
98296	7	1.73%	28	0	0	5	0	0	1	0	0	0	0	0	0
98006	6	1.49%	21	0	4	0	0	0	1	0	0	0	1	1	0
98008	6	1.49%	23	0	0	0	0	0	0	0	1	0	0	0	4
98005	5	1.24%	14	5	0	0	0	0	0	0	1	0	0	0	0
98011	5	1.24%	20	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98014	5	1.24%	21	3	0	0	0	0	0	0	0	0	0	0	0
98037	5	1.24%	23	0	0	0	0	0	0	0	0	0	0	0	0
98115	5	1.24%	12	4	4	0	0	0	0	0	0	1	0	0	0
98203	5	1.24%	15	0	9	0	0	0	0	0	0	0	0	0	0
98208	5	1.24%	21	3	0	0	0	0	0	0	0	0	0	0	0
98019	4	0.99%	19	0	0	0	0	0	0	0	0	0	0	0	0
98031	4	0.99%	10	7	0	0	0	0	0	0	3	0	0	0	0
98045	4	0.99%	14	5	0	0	0	0	0	0	0	0	0	0	0
98059	4	0.99%	11	1	8	0	0	0	0	0	0	0	0	0	0
	3	0.74%	11	0	0	0	0	0	0	0	0	2	0	0	0
98020	3	0.74%	14	0	0	0	0	0	0	0	0	0	0	0	0
98030	3	0.74%	7	0	4	0	0	0	0	0	0	0	0	0	0
98042	3	0.74%	1	10	3	0	0	0	0	0	1	0	0	0	0
98043	3	0.74%	14	0	0	0	0	0	0	0	0	0	0	0	0
98065	3	0.74%	16	1	0	0	0	0	0	0	0	0	0	0	0
98075	3	0.74%	14	0	0	0	0	0	0	0	0	0	0	0	0
98108	3	0.74%	12	0	0	0	0	0	0	0	0	1	0	0	0
98117	3	0.74%	11	2	0	0	0	0	1	0	0	0	0	0	0
98125	3	0.74%	9	0	0	0	5	0	0	0	0	0	0	0	0
98251	3	0.74%	14	0	0	0	0	0	0	0	0	0	0	0	0
98252	3	0.74%	8	0	4	0	0	0	0	0	0	0	0	0	2
98282	3	0.74%	4	8	0	0	0	0	0	0	0	0	0	0	0
98024	2	0.50%	2	7	0	0	0	0	0	0	0	0	0	0	0
98026	2	0.50%	9	0	0	0	0	0	0	0	0	0	0	0	0
98029	2	0.50%	10	0	0	0	0	0	0	0	0	0	0	0	0
98055	2	0.50%	5	0	4	0	0	0	0	0	0	0	0	0	0
98057	2	0.50%	4	0	4	0	0	0	0	0	1	0	0	0	0
98106	2	0.50%	5	0	4	0	0	0	0	0	0	0	0	0	0
98118	2	0.50%	8	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98133	2	0.50%	10	0	0	0	0	0	0	0	0	0	0	0	0
98136	2	0.50%	10	0	0	0	0	0	0	0	0	0	0	0	0
98168	2	0.50%	10	0	0	0	0	0	0	0	0	0	0	0	0
98188	2	0.50%	0	5	0	0	0	0	0	0	0	0	0	0	4
98271	2	0.50%	9	0	0	0	0	0	0	0	0	0	0	0	0
98374	2	0.50%	5	4	0	0	0	0	0	0	3	0	0	0	0
97068	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98001	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98002	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98003	1	0.25%	0	4	0	0	0	0	0	0	0	0	0	0	0
98004	1	0.25%	0	0	0	0	4	0	0	0	0	0	0	0	0
98023	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98025	1	0.25%	6	0	0	0	0	0	0	0	0	0	0	0	0
98050	1	0.25%	1	4	0	0	0	0	0	0	0	0	0	0	0
98074	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98102	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98104	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98112	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98114	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98116	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98119	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98121	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98126	1	0.25%	3	0	0	0	0	0	0	0	0	0	0	0	0
98144	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98146	1	0.25%	6	0	0	0	0	0	0	0	0	0	0	0	0
98223	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98233	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98270	1	0.25%	4	0	0	0	0	0	0	0	0	1	0	0	0
98275	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98294	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98335	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98370	1	0.25%	0	0	0	0	0	0	0	0	0	0	4	0	0
98387	1	0.25%	3	0	0	0	0	0	0	0	0	0	0	0	0
98390	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98404	1	0.25%	0	5	0	0	0	0	0	0	0	0	0	0	0
98422	1	0.25%	0	4	0	0	0	0	0	0	0	0	0	0	0
98444	1	0.25%	0	5	0	0	0	0	0	0	0	0	0	0	0
98498	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0